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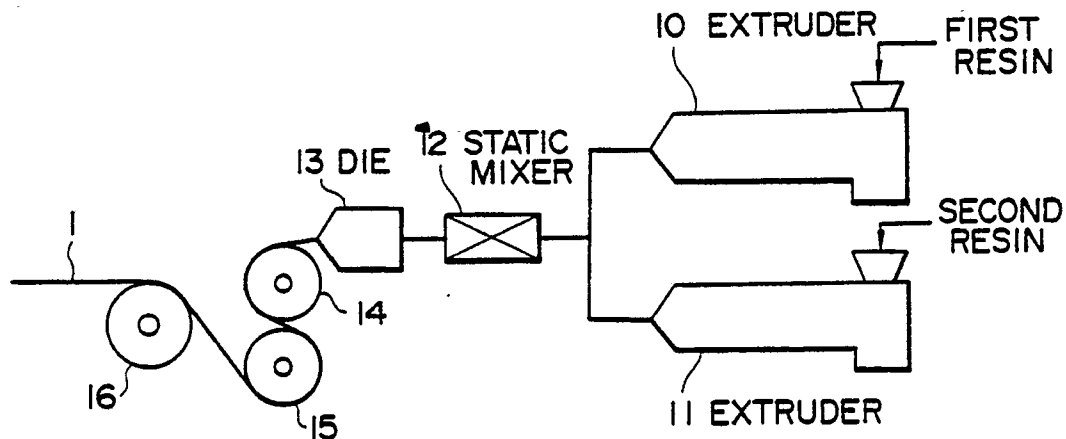
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54 **Thermoplastic resin film, method of producing same and cushioning material using same.**

57 A thermoplastic resin film is disclosed which comprises a matrix in the form of a film and formed of a first thermoplastic resin (2), and a plurality of substantially continuous tapes (3) dispersed within the matrix film with the plane of each of the tapes being substantially parallel with the plane of the matrix film and each formed of a second thermoplas-

tic resin different from the first resin. The thermoplastic resin film may be obtained by mixing melts of the first and second resins using a static mixer (12), and extruding the mixed melt through a die (13). The film has an excellent gas barrier property and is suitably used for the preparation of cushioning materials.

FIG. 2



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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	RESEARCH DISCLOSURE, June 1983, page 214, no. 23022; "Static mixing of laminar barrier polymer blends in multiple head equipment" - - -	1,10	B 29 C 47/06 B 32 B 27/08 // (B 29 L 7/00 B 29 L 9:00)
X	PATENT ABSTRACTS OF JAPAN, vol. 5, no. 25 (M-55)[697], 14th February 1981; & JP-A-55 154 127 (TORAY K.K.) 01-12-1980 - - -	1,10	
X	EP-A-0 189 270 (MOBIL OIL CORP.) * Page 6, lines 1-9; page 10, line 18 - page 13, line 22; claim 1; figures 1,2 * - - -	1	
A	GB-A-1 158 140 (NATIONAL DISTILLERS AND CHEMICAL CORP.) * The whole document * - - -	1-8	
A	DE-C-3 229 554 (HOECHST AG) * Claim 1; figures 1,2,4 * - - -	7,10	
A	US-A-4 314 865 (RANPAK CORP.) * Column 2, lines 1-39; figures 1-6 * - - - - -	9	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 29 C B 32 B
Place of search	Date of completion of search	Examiner	
The Hague	07 November 90	SOZZI R.	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention		E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document	